

Downloadable Dynamometer Database (D3)- Test Summary Sheet

2012 Nissan Leaf							
Vehicle architecture	Battery Electric						
Document date	10/15/2012						
Revision Number	1						
Notes:							

Vehicle Setup Information Initial Vehicle Mileage Vehicle dynamometer Input Test weight [lb] 3746

arget A [lb]	41.06
arget B [lb/mph]	-0.3082
arget C [lb/mph^2]	0.02525
est Fuel Information	
uel type	Electricity
uel density [g/ml]	•
uel Net HV [BTU/lbm]	•

		Mile																
M _I O _I IS ₂		,	788 PU (S) 1885 986	[8] [1] [8] [8] [8] [8] [8] [8] [8] [8] [8] [8	less C.	Pest C.	Volinge Colling)	Soler / 1918/1988 5	Ams miss seed to man	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mage. (191) of Co.	1000 CO 1000 C	Signer (m) Signer (Down)	Sold Williams Sold Sold Sold Sold Sold Sold Sold Sold	900 HV (100 A 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The last of the la	Delay Net Fine By Con House By	Mey Ne Figure 1
	Test information			Test	ell inforr	nation	Test Ce	ell setup	Ve	hicle se	tup			Elec	ctric ener	gy consum	ption	1
	ence purpose: Standa																	1
61203025	UDDS CS	CSt	03/07/12,	20	9.67	29.26	SM	Off	72 °F	Closed	Closed	7.44	-	8.332	379.191	3109	418	i
61203026	Highway	HSt	03/07/12,	20	11.91	29.24	SM	Off	72 °F	Closed	Closed	10.25	-	9.275	374.008	3368	329	1
61203027	UDDS HS	HSt	03/07/12,	20	12.73	29.23	SM	Off	72 °F	Closed	Closed	7.44	-	7.602	367.981	2756	371	1
61203028	US06	HSt	03/07/12,	20	13.24	29.23	SM	Off	72 °F	Closed	Closed	7.99	-	9.921	359.985	3366	421	1
61203029	US06	HSt	03/07/12,	20	13.64	29.22	SM	Off	72 °F	Closed	Closed	7.99	-	10.114	345.800	3344	419	1
61203030	*Partial UDDS HS	HSt	03/07/12,	20	14.61	29.22	SM	Off	72 °F	Closed	Closed	4.63	-	5.439	305.200	1659	358	1
Full charge tes	•										Totals	45.74		50.683		17603		1
	t 61203030 vehicle charge was fully																	ı
61203031	UDDS CS	CSt	03/08/12,	72	41.32	29.28	SM	Off	Off	Closed	Open	7.43	-	4.068	385.991	1554	209	1
61203032	Hlghway	HSt	03/08/12,	72	42.57	29.28	SM	Off	Off	Closed	Open	10.25	-	6.277	382.789	2368	231	1
61203033	UDDS HS	HSt	03/08/12,	72	47.66	29.31	SM	Off	Off	Closed	Open	7.44	-	3.867	379.018	1446	194	i
61203034	US06	HSt	03/08/12,	72	42.81	29.32	SM	Off	Off	Closed	Open	7.99	-	7.455	374.858	2680	336	i
61203035	US06	HSt	03/08/12,	72	44.98	29.34	SM	Off	Off	Closed	Open	8.00	-	7.546	367.832	2678	335	1
61203036	UDDS HS	HSt	03/08/12,	72	42.77	29.34	SM	Off	Off	Closed	Open	7.44	-	4.012	365.389	1449	195	i
61203037	Highway	HSt	03/08/12,	72	41.87	29.35	SM	Off	Off	Closed	Open	10.25	-	6.580	360.812	2339	228	i
61203038	UDDS HS	HSt	03/08/12,	72	45.16	29.36	SM	Off	Off	Closed	Open	7.45	-	4.107	353.452	1435	193	i
61203040	*Steady State Speed 55mph	HSt	03/08/12,	72	40.62	29.37	SM	Off	Off	Closed	Open	7.86	-	6.393	305.287	2022	257	i
Full charge tes	•										Totals	74.10		50.305		17972		1
*Following Test	t 61203040 vehicle charge was fully	depleted																1
Re-charging in	nformation. Charge followed a	bove 72F	testing							HV b	attery integ	rated curre	nt [DC Ah]	49.67				l
Level:	Full									Ch	arger integ	rated curre	nt [AC Ah]	108.36				l
										HV battery integrated power [DC Wh]					18876		1	
													harger inte	grated power		21679		1
61203052	UDDS CS	CSt	03/12/12,	95	39.88	29.15	SM	850	72 °F	Closed	Closed	7.44		5.154	381.759	1967	265	1
61203053	Highway	HSt	03/12/12,	95	36.20	29.13	SM	850	72 °F	Closed	Closed	10.24	-	6.563	381.573	2477	242	i
61203054	UDDS	HSt	03/12/12,	95	31.04	29.13	SM	850	72 °F	Closed	Closed	7.44	-	4.627	376.006	1741	234	1
61203055	US06	HSt	03/12/12,	95	32.30	29.12	SM	850	72 °F	Closed	Closed	7.99	-	7.621	365.301	2736	343	i
Partial charge	test summary							. —		. —	Totals	33.11		23.965		8921		1

Summary notes
For the highway and US06 cycles only the second (hot) test results are presented in this summary.

- For the highway and USUb cycles only the second (not) test results are presented in this summary.

 Electric energy consumption:

 HV battery Integrated net current --> Integrated current as reported by power analyzer

 HV battery Average Zero crossing Voltage --> Calculated average zero crossing voltage over the phase or cycle

 HV Net Energy --> Integrated power as reported by power analyzer

 Note that HV Net Energy is not equal to the product of HV battery Integrated net current times Average Zero crossing Voltage.

 * The vehicle coast down information for EPA

- This data has originated from the Argonne National Laboratory D³ website. http://webapps.anl.gov/vehicle_data/
 The purpose of this information is to provide advanced technology vehicle chassis dynamometer test data for the engineering community. Mostly comprised of vehicle benchmarking test results, it is intended for the better understanding of the technology and for education. Data from this website may not used as a source for publication or profit without consent of Argonne National Laboratory.
- Please contact d3info@anl.gov for questions, comments or inquiries.